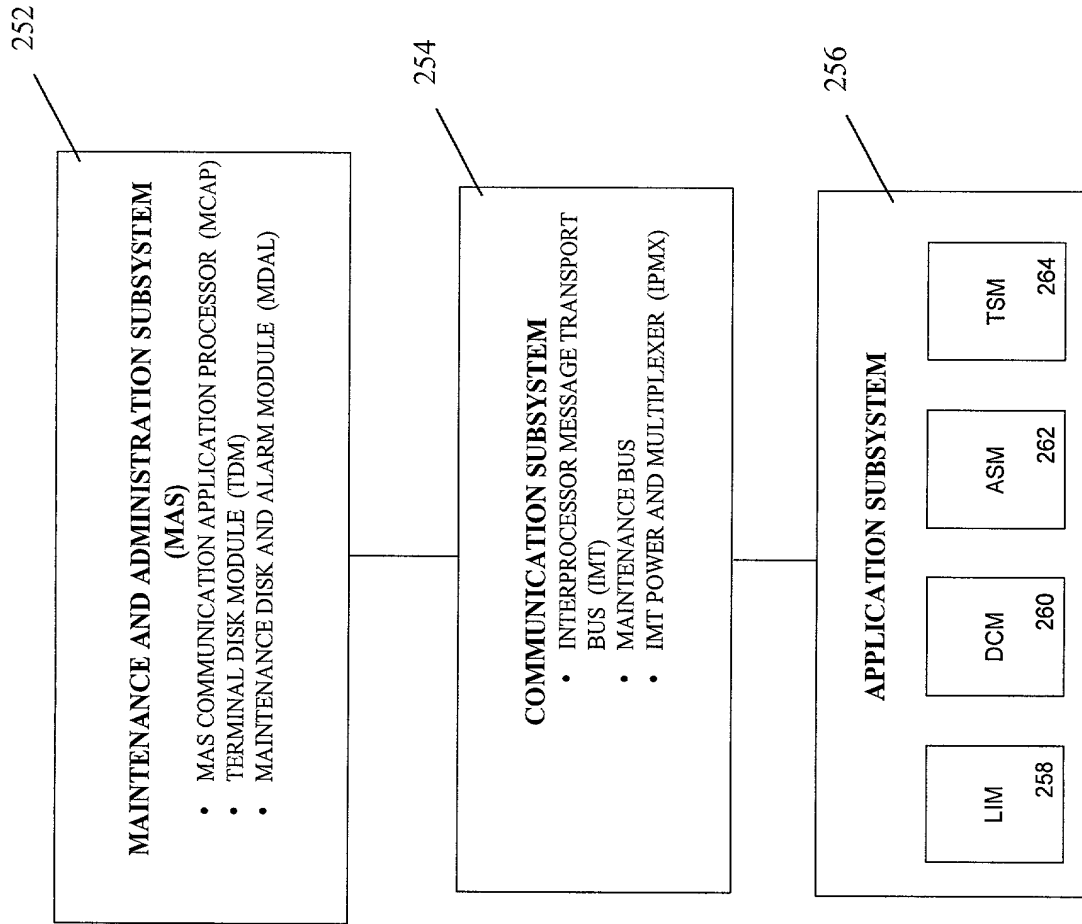


PRIOR ART

Figure 1



PRIOR ART

Figure 2

270 →

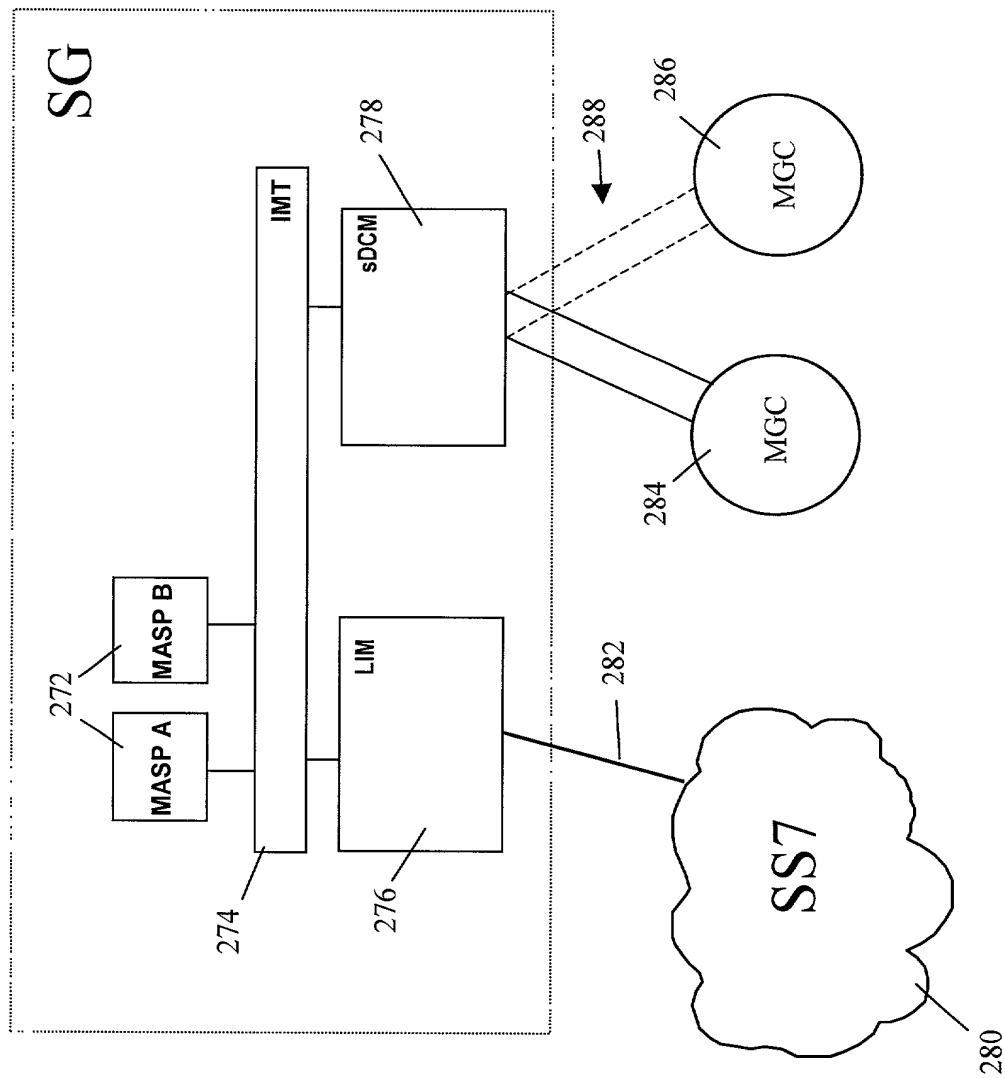


Figure 3

TALI Registration Message Diagram

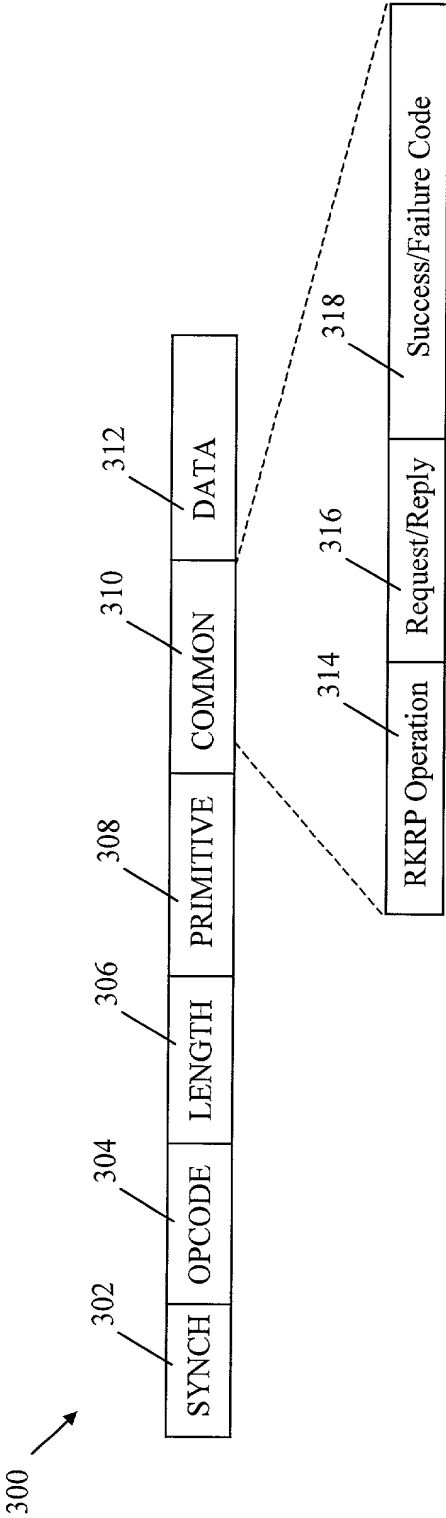


Figure 4

Routing Key Specific Data

330

Routing Key Type	Common	RKRP Flags	SI	DPC	OPC	CICS	CICE	SPLIT	NCICS	NCICE	SSN
CIC Based	x	x	x	x	x	x	x	x	x	x	
SCCP Based	x	x	x	x							x
DPC - SI - OPC	x	x	x	x	x						
DPC - SI - *	x	x	x	x							
DPC - *- *	x	x		x							
* - SI - *	x	x	x								
*(Default)	x	x									

Additional Registration Message Fields

Figure 5

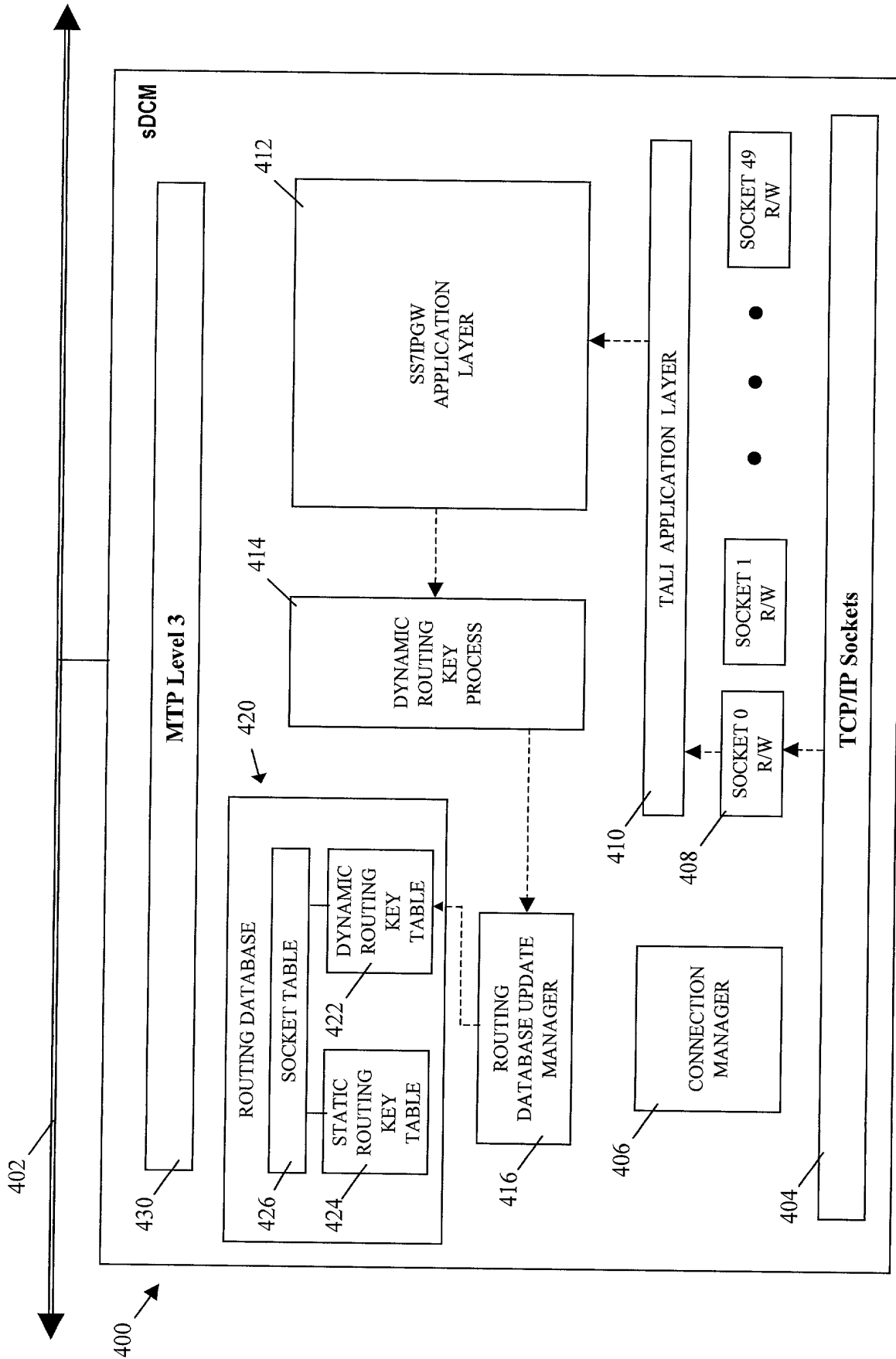


Figure 6

422 →

Dynamic Routing Key Table																					
KEY(s)												DATA									
450 / DPC		452 / OPC		454 / SI		456 / CICS		458 / CICE		460 / SPLIT				462 / NCICS		464 / NCICE		466 / SSN		468 / SOCKET	
																				<u>ID</u>	
3-1-1		6-1-1		3		-		-		-				-		-		54		Sock1	
3-1-2		6-1-1		3		-		-		-				-		-		67		Sock2	
3-1-3		6-1-1		3		-		-		-				-		-		12		Sock3	
1-1-1		6-1-1		3		-		-		-				-		-		45		Sock4	
1-1-2		7-1-1		5		25		28		-				-		-		-		Sock5	
1-1-3		6-1-1		5		12		13		-				-		-		-		Sock6	

Figure 7

426 →

Socket Table						
DATA						
480 Socket ID	Local		Distant		Socket Status	
	IP Address	TCP Port	IP Address	TCP Port		
	10.10.10.10	24	10.10.10.1	24	A	
	10.10.10.10	42	10.10.10.1	42	A	
	10.10.10.10	12	10.10.10.1	12	A	
	10.10.10.10	54	10.10.20.1	54	A	
	10.10.10.10	16	10.10.20.1	16	A	
	10.10.10.10	76	10.10.20.1	17	U	

Figure 8

500

Return Code	SI	Type of requests checked	Description
1	all	all	Transaction successfully completed.
2	all	all	Length of TALI message is insufficient to contain all required information for 'rkrp' operation.
3	N/A	all	Unsupported 'rkrp' operation
4	all	all	Invalid SI. SI must be in range 0..15
5	all	all	Invalid SI/opcode combination. Split and resize only supported for SI=5. Enter, delete and override supported for all SI.
6	all	all	Invalid DPC. Point code cannot be zero, and type must be ANSI.
7	3	all with SI=3	Invalid SSN. SSN must be in range 0..255.
8	5	all with SI=5	Invalid OPC. Point code cannot be zero, and type must be ANSI.
9	5	all with SI=5	Invalid CICS. Must be in range 0..16383.
10	5	all with SI=5	Invalid CICE. Must be in range 0..16383.
11	5	all with SI=5	Invalid CIC range. CICS must be less than or equal to CICE. On a split operation, CICS must be strictly less than than CICE (cannot split an range with only one entry).
12	5	resize	Invalid NCICS. Must be in range 0..16383.
13	5	resize	Invalid NCICE. Must be in range 0..16383.
14	5	resize	Invalid new CIC range. NCICS must be less than or equal to NCICE.
15	5	split	Invalid SPLIT value. Must be in range 0..16383. Must be greater than CICS and less than or equal to CICE.
16	all, 5	enter, split	No free entries in table.
17	5	enter, override	CIC range overlaps but does not match existing entry.
18	all	enter	Entry already has 16 associations.
19	5	resize, split, override	Entry to be changed not found in table.
20	5	resize	New entry would overlap another entry (allowed to overlap the entry being changed, but no others).
21	all	delete	Entry to be deleted not found in table.

Figure 9



Figure 10

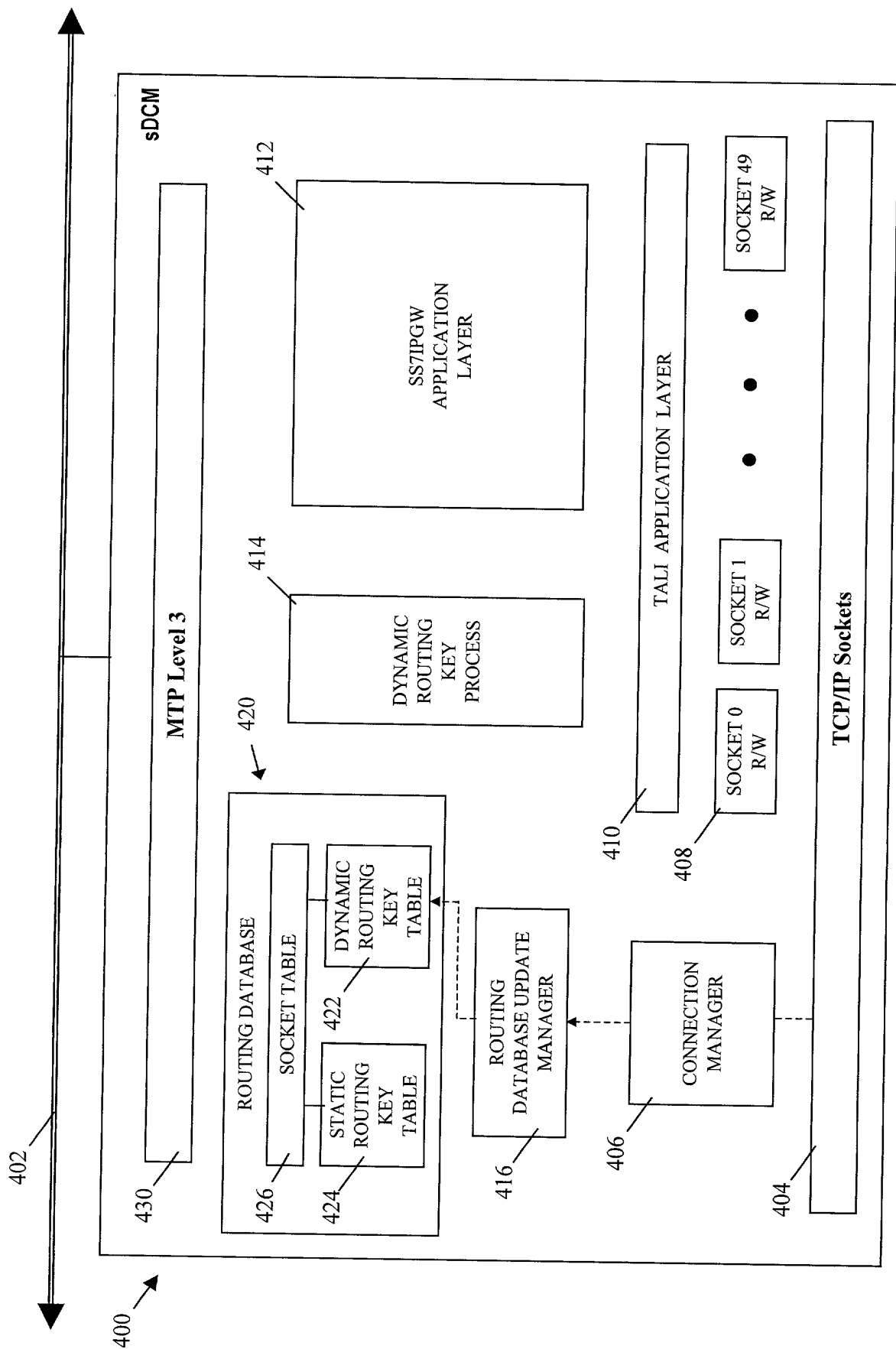


Figure 11

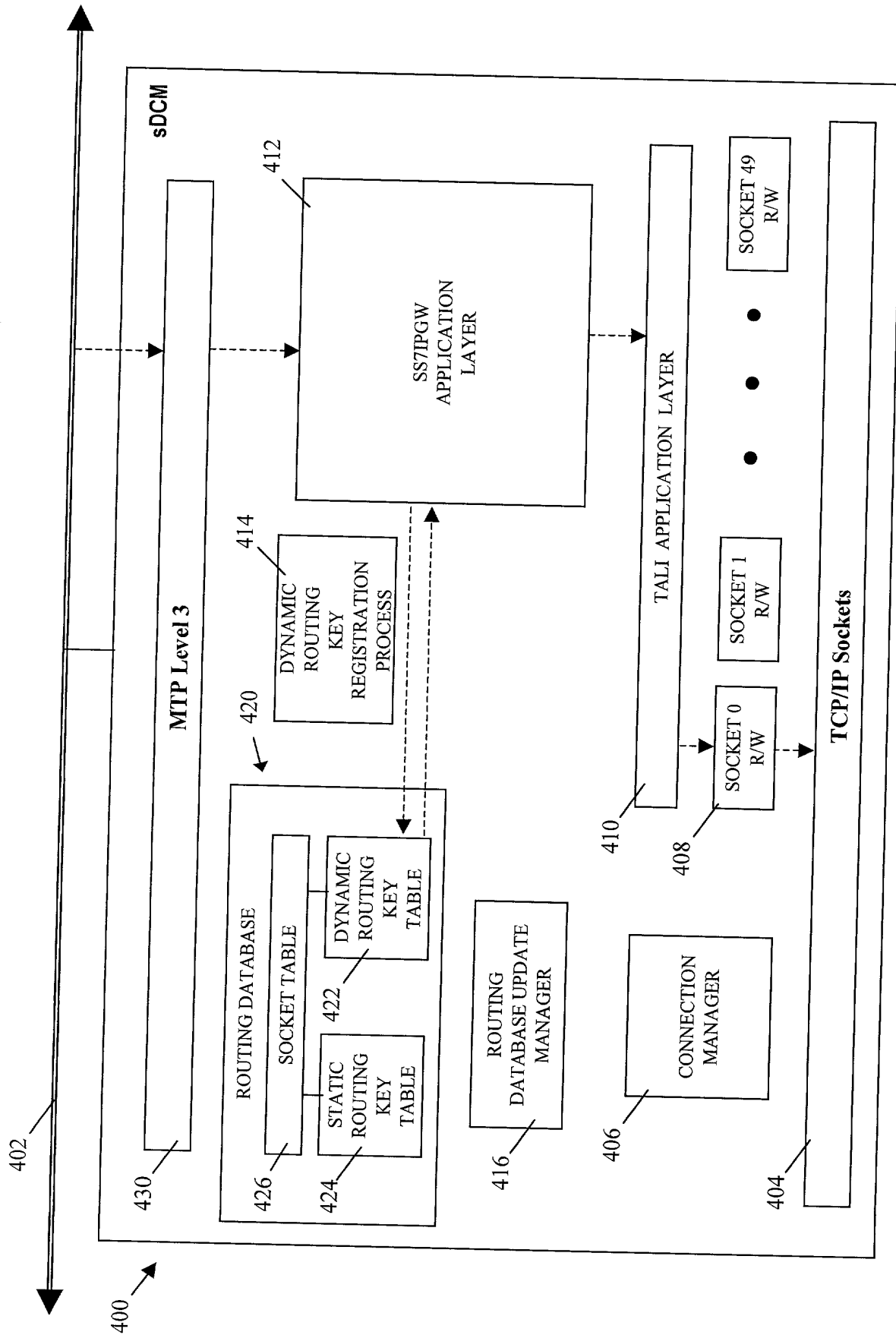


Figure 12

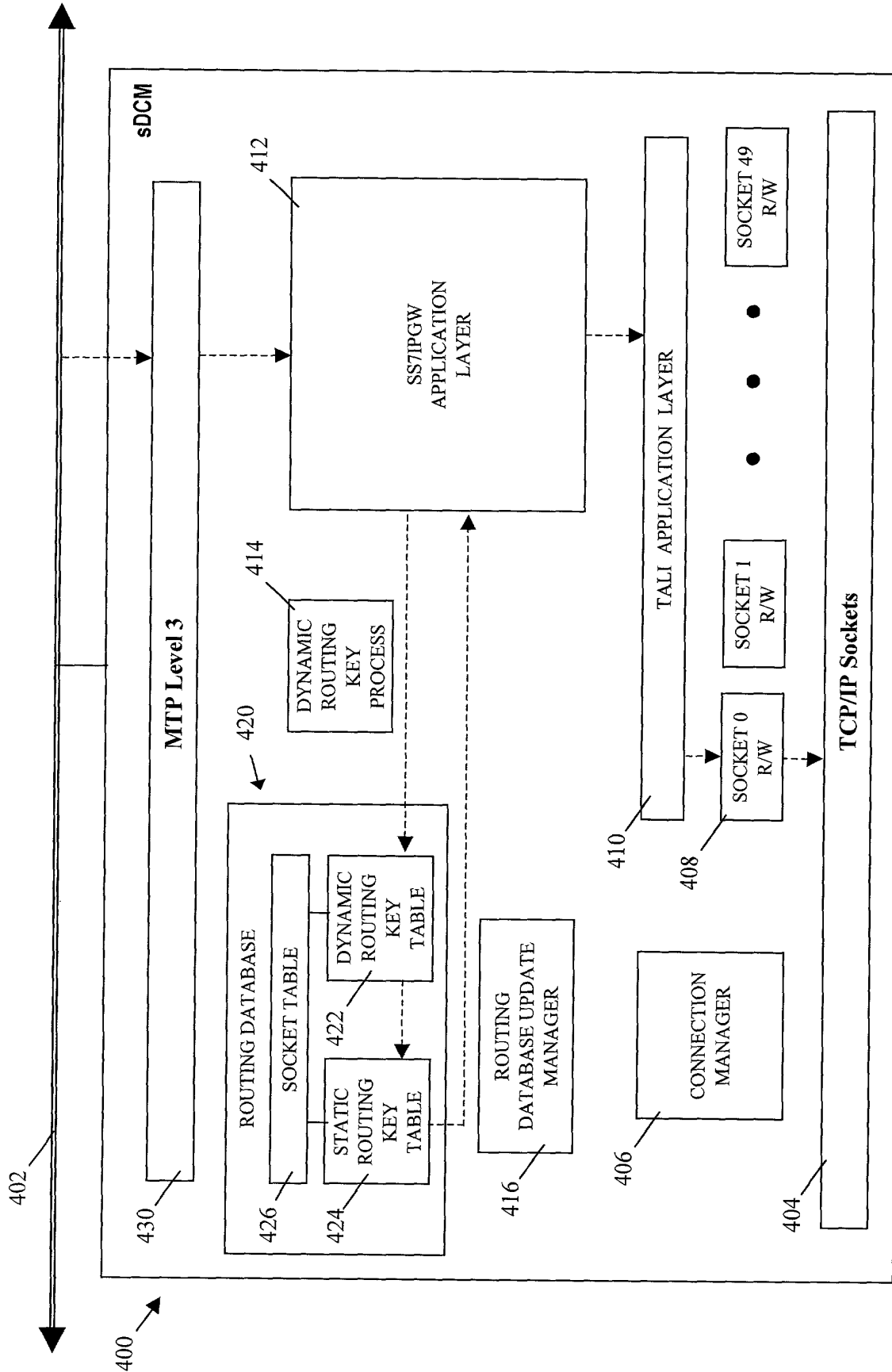


Figure 13

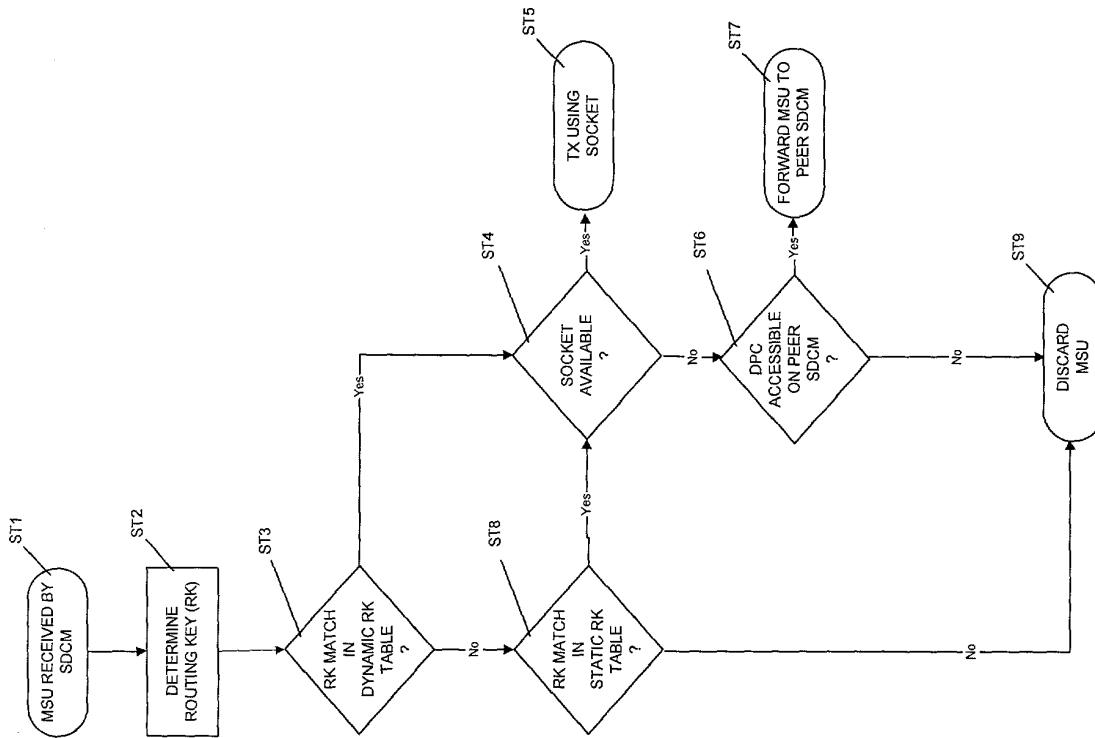


Figure 14

270 →

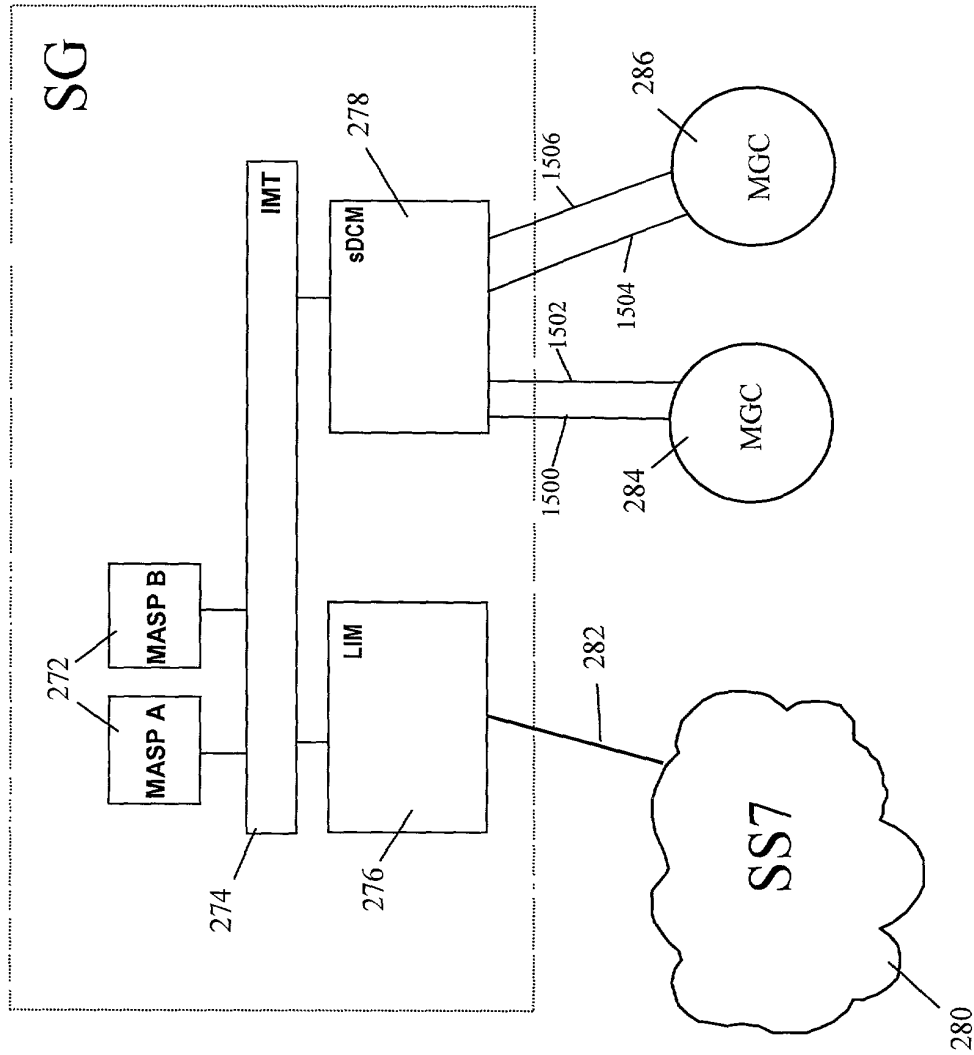


Figure 15